

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A radiation detector comprising:
an electrode structure; (19,4,35,22)
a planarising layer (101) being disposed over the electrode structure; and
a protective stack (103,105) which covers the planarising layer, wherein the protective stack has a moisture resistant layer and a conversion layer, wherein the conversion layer converts incident radiation into secondary radiation, and wherein the moisture resistant layer is positioned between the conversion layer and the planarising layer.
2. (Original) A radiation detector as claimed in claim 1, wherein the planarising layer is formed as a polymer layer.
3. (Currently Amended) A radiation detector as claimed in claim 1, wherein the protective stack includes a moisture resistant layer and an outer cover.
4. (Currently Amended) A radiation detector as claimed in claim 1, which comprises
awherein the conversion layer to convert incident radiation into secondary radiation is a scintillation layer formed of columnar crystals.
5. (Currently Amended) A radiation detector as claimed in claim 4, in which the conversion wherein the scintillation layer is included in the protective stack is formed from CsI:Tl.

6. (Currently Amended) An electronic device comprising:

a substrate;

an electrode structure disposed on the substrate;

a planarising layer being disposed over the electrode structure and substrate;

and

a protective stack which covers the planarising layer, wherein the protective stack has a moisture resistant layer and a conversion layer, wherein the conversion layer converts incident radiation into secondary radiation, wherein the moisture resistant layer is positioned between the conversion layer and the planarising layer, and wherein the substrate is substantially flat.

7. (New) The electronic device of claim 6, wherein the planarising layer is formed as a polymer layer.

8. (New) The electronic device of claim 6, wherein the protective stack includes an outer cover.

9. (New) The electronic device of claim 6, wherein the conversion layer is a scintillation layer formed of columnar crystals.

10. (New) The electronic device of claim 9, wherein the scintillation layer is formed from CsI:TI.

11. (New) The electronic device of claim 6, wherein the conversion layer is in direct contact with the moisture resistant layer.

12. (New) The electronic device of claim 6, wherein the moisture resistant layer is in direct contact with the planarising layer.

13. (New) The electronic device of claim 6, wherein the planarising layer is in direct contact with the electrode structure and the substrate, and wherein the planarising layer is a polymer layer.
14. (New) The radiation detector of claim 1, wherein the conversion layer is in direct contact with the moisture resistant layer.
15. (New) The radiation detector of claim 1, wherein the moisture resistant layer is in direct contact with the planarising layer.
16. (New) The radiation detector of claim 1, wherein the electrode structure and the planarising layer are positioned along a substrate that is substantially flat.
17. (New) The radiation detector of claim 16, wherein the planarising layer is in direct contact with the electrode structure and the substrate.
18. (New) The radiation detector of claim 17, wherein the planarising layer is a polymer layer.